

In the Claims:

Please amend the claims as follows:

Claims

What is claimed is:

1. (Amended) ~~Device~~ A device for parallel metering of a liquid ~~with the following features comprising:~~

- ~~the device has~~ a first body ~~(20a, 20b);~~
- the first body ~~(20a, 20b)~~ has a main channel ~~(8)~~, secondary channels ~~(9, 10, 11, 12)~~, one inlet ~~(1)~~, and outlets ~~(6)~~;
- the main channel ~~(8)~~ is connected to the inlet ~~(1)~~;
- the secondary channels ~~(9, 10, 11, 12)~~ are connected to one outlet at a time;
- the secondary channels ~~(9, 10, 11, 12)~~ are connected to the main channel ~~(8)~~;
- ~~the device has~~ at least one first chamber with a first pressure medium;
- the first body ~~(20a, 20b)~~ has means for transferring ~~(transfer means 2)~~ pressure surges of ~~a~~ the first pressure medium from a first chamber to the secondary channels;
- each transfer means ~~(2)~~ is connected to ~~a~~ the secondary channels ~~(9, 10, 11, 12)~~;
- at least one means ~~(21)~~ for preventing a fluidic connection between the secondary channels ~~(9, 10, 11, 12)~~ and the chamber is assigned to the transfer means ~~(2)~~.

2. (Amended) ~~Device~~ The device as claimed in ~~the~~ preceding claim 1, wherein the device in the main channel ~~(8)~~ has controllable means for fluidic decoupling ~~(decoupling means 14)~~.

3. (Amended) ~~Device~~ The device as claimed in ~~the~~ preceding claim 2, wherein there are decoupling means ~~(14)~~ between the inlet ~~(1)~~ and the first connection of the main channel ~~(8)~~ to one of the secondary channels ~~(9, 10, 11, 12)~~ and/or between all connections of the main channel ~~(8)~~ and one of the secondary channels ~~(9, 10, 11, 12)~~.

4. (Amended) ~~Device~~ The device as claimed in claim 2 or 3, wherein the decoupling means ~~(14)~~ are valves.

5. (Amended) ~~Device~~ The device as claimed in ~~one of the preceding claims~~ claim 1, wherein the prevention means are sections of a first elastic and at least essentially impermeable film (21).

6. (Amended) ~~Device~~ The device as claimed in the preceding claim 5, wherein the film is an elastomer.

7. (Amended) ~~Device~~ The device as claimed in ~~one of the preceding claims~~ claim 1, wherein the main channel ~~(8)~~ and the secondary channels ~~(9, 10, 11, 12)~~ are provided as grooves in the first outer surface of the first body ~~(20a, 20b)~~.

8. (Amended) ~~Device~~ The device as claimed in ~~one of the preceding claims~~ claim 1, wherein the main channel ~~(8)~~ and/or the secondary channels ~~(9, 10, 11, 12)~~ are capillaries at least in sections.

9. (Amended) ~~Device~~ The device as claimed in claim 8, wherein the sections ~~(10, 11)~~ of the secondary channels ~~(9, 10, 11, 12)~~ which adjoin the main channel ~~(8)~~ are capillaries.

10. (Amended) ~~Device~~ The device as claimed in ~~one of the preceding claims~~ claim 1, wherein the ~~transfer~~ means for transferring pressure surges are made as first recesses ~~(2)~~.

11. (Amended) ~~Device~~ The device as claimed in the preceding claim 10, wherein the first recesses ~~(2)~~ are located on the first end of each secondary channel ~~(9, 10, 11, 12)~~ and the outlets ~~(6)~~ are located on the second ends of each secondary channel ~~(9, 10, 11, 12)~~.

12. (Amended) ~~Device~~ The device as claimed in ~~one of claims 5 to 11~~ claim 5, wherein the first film ~~(21)~~ lies on the first outside surface.

13. (Amended) ~~Device~~ The device as claimed in ~~one of claims 5 to 12~~ claim 5, wherein the first film is attached to the first body ~~(20a, 20b)~~ by bonding.

14. (Amended) ~~Device~~ The device as claimed in ~~one of claims 10 to 13~~ claim 10, wherein ~~the~~ a first film ~~(21)~~ covers at least the first recesses ~~(2)~~.

15. (Amended) ~~Device~~ The device as claimed in ~~one of claims 10 to 14~~ claim 10, wherein ~~the~~ a first film is attached to the body ~~(20a, 20b)~~ in the area of the first recess ~~(2)~~ by bonding.

16. (Amended) ~~Device~~ The device as claimed in ~~one of the preceding claims~~ claim 1, wherein the device ~~has a~~ further comprises a second body ~~(22)~~.

17. (Amended) ~~Device~~ The device as claimed in claim 16, wherein the second body ~~(22)~~ rests on the first film ~~(21)~~, the second body ~~(22)~~ and ~~the~~ a first film ~~(21)~~ encompassing at least ~~the~~ a first chamber ~~(23)~~.

18. (Amended) ~~Device~~ The device as claimed in claim 17, wherein the first chamber with interposition of the first film is connected to the ~~transfer~~ means for transferring pressure surges.

19. (Amended) ~~Device~~ The device as claimed in ~~one of claims 5 to 19~~ claim 1, wherein the first pressure medium is under a pressure which has a first amount and which ensures that ~~the~~ a first film ~~(21)~~ is fixed on the first body ~~(20a, 20b)~~.

20. (Amended) ~~Device~~ The device as claimed in ~~one of the preceding claims~~ claim 1, wherein in the secondary channel sections ~~(10, 11, 12)~~ there are means ~~(4)~~ for metering the liquid ~~(metering means)~~.

21. (Amended) ~~Device~~ The device as claimed in the preceding claim 20, wherein the metering means ~~(4)~~ are provided between the outlets ~~(6)~~ and the connection of the assigned secondary channel ~~(9, 10, 11, 12)~~ and the main channel ~~(8)~~.

22. (Amended) ~~Device~~ The device as claimed in the preceding claim 21, wherein the metering means are second recesses ~~(4)~~ in the first outside surface of the first body ~~(20a, 20b)~~.

23. (Amended) ~~Device~~ The device as claimed in the preceding claim 22, wherein the second recesses ~~(4)~~ are covered by ~~the~~ a first film ~~(21)~~.

24. (Amended) ~~Device~~ The device as claimed in claim 22, wherein the second recesses ~~(4)~~ are covered by ~~the~~ a second film.

25. (Amended) ~~Device~~ The device as claimed in ~~one of claims 4 to 24~~ claim 4, wherein the valves ~~(14)~~ are formed by one third recess ~~(30)~~ at a time and ~~the~~ a first film ~~(21)~~ or ~~the~~ a second film or ~~the~~ a third film.

26. (Amended) ~~Device~~ The device as claimed in the preceding claim 17, wherein the first chamber ~~(23)~~ overlaps the first, second or third film in the area of ~~the~~ a third recess ~~(30)~~.

27. (Amended) ~~Device~~ The device as claimed in claim 25, wherein the second body and the first body ~~(20a, 20b)~~ encompass a second chamber ~~(34)~~ which overlaps the first, second or third film ~~(35)~~ in the area of the third recesses ~~(30)~~.

28. (Amended) ~~Device~~ The device as claimed in the preceding claim 27, wherein the second chamber ~~(34)~~ contains a second pressure medium.

29. (Amended) ~~Device~~ The device as claimed in ~~one of claims 16 to 28~~ claim 16, wherein the second body has microstructure elements.

30. (Amended) ~~Device~~ The device as claimed in ~~the preceding claims~~ claim 29, wherein the microstructure elements project into ~~the~~ a first and/or a second chamber ~~(23)~~.

31. (Amended) ~~Device~~ The device as claimed in ~~the preceding~~ claim 30, wherein the microstructure elements fix the first film ~~(21)~~ on the first body ~~(20a, 20b)~~.

32. (Amended) ~~Device~~ The device as claimed in ~~one of claims 1 to 31~~ claim 30, wherein the first and/or second chamber ~~(23)~~ has a height from 0.1 mm to 3 mm.

33. (Amended) ~~Device~~ The device as claimed in ~~one of the preceding claims~~ claim 32, wherein the first and/or the second chamber ~~(23)~~ can be connected to a means for producing pressure surges.

34. (Amended) ~~Device~~ The device as claimed in ~~one of the preceding claims~~ claim 33, wherein the device has a means for producing pressure surges.

35. (Amended) ~~Device~~ The device as claimed in ~~one of claims 6 to 34~~ claim 16, wherein the first and/or second chamber ~~(23)~~ has a wall which is formed ~~preferably~~ by one part of the second body ~~(22)~~ and which can be deflected under the action of a means for producing a pressure surge into the interior of the chamber ~~(23)~~.

36. (Amended) ~~Device~~ The device as claimed in ~~one of claims 33 to 35~~ claim 33, wherein the means for producing the pressure surge is a piezoelectric element.

37. (Cancelled)

38. (Cancelled)

39. (Cancelled)

40. (Cancelled)

41. (Cancelled)

42. (Cancelled)

43. (Cancelled)

- 44. (Cancelled)
- 45. (Cancelled)
- 46. (Cancelled)

47. (New) The device as claimed in claim 27, wherein the first chamber and the second chamber can be separately triggered.

48. (New) The device as claimed in claim 25, wherein the third recesses have lateral boundary surfaces which fall away flatly from at least one part of the edges to the bottom.

49. (New) The device as claimed in claim 48, wherein the flatly sloping lateral boundary surfaces are tilted at an angle (α) between 5° and 45°.

50. (New) The device as claimed in claim 25, wherein the third recesses have a concave arch.

51. (New) The device as claimed in claim 40, wherein the arch is spherical.

52. (New) The device as claimed in claim 40, wherein the arch is aspherical.

53. (New) The device as claimed in claim 40, wherein the arch is cylindrical.

54. (New) The device as claimed in claim 38, wherein between the two inlet openings of the sections of the main channel into at least one part of the third recesses a bridge extends from the first edge via the lateral boundary surfaces and the bottom to the second edge.